

CLAIMS

1. A medicament for prevention and/or treatment of diabetes or diabetes complications which comprises, as an active ingredient, a mixture of cyclic and/or straight chain poly lactic acids having a condensation degree of 3 to 19.
2. A medicament for reducing the blood sugar level which comprises, as an active ingredient, a mixture of cyclic and/or straight chain poly lactic acids having a condensation degree of 3 to 19.
3. The medicament according to claim 1 or 2, wherein the lactic acid which is a repeating unit in the poly lactic acid, substantially consists of L-lactic acid.
4. The medicament according to claim 1 wherein the diabetes is type II diabetes.
5. The medicament according to any of claims 1 to 3 wherein the mixture of cyclic and/or straight chain poly lactic acids having a condensation degree of 3 to 19 is a fraction obtained by condensing lactic acids by dehydration under an inactive atmosphere, subjecting the ethanol- or methanol-soluble fraction of the obtained reaction solution to reverse phase column chromatography, and eluting with 25 to 50 weight % acetonitrile aqueous solution of pH 2 to 3 and then with 90 weight % or more acetonitrile aqueous solution of pH 2 to 3.
6. The medicament according to claim 5 wherein the condensation by dehydration is performed by stepwise decompression and temperature rise under nitrogen gas atmosphere.
7. The medicament according to claim 5 or 6 wherein the reverse phase column chromatography is performed by ODS column chromatography.